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Message Text

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ACTION SCI-06

INFO OCT-01 EA-11 IO-14 ISO-00 FEA-02 ACDA-19 CIAE-00

INR-10 L-03 NSAE-00 NSC-07 RSC-01 DRC-01 SSO-00

INRE-00 /075 W
---------- 098457
O R 121129Z JUL 74
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC IMMEDIATE 4719
INFO AEC GERMANTOWN IMMEDIATE
AMEMBASSY TAIPEI
AMEMBASSY TOKYO

C O N F I D E N T I A L IAEA VIENNA 6202

E. O. 11652: GDS
TAGS: PARM TECH IAEA TW
SUBJECT: IAEA SAFEGUARDS ACTIVITIES IN ROC

REF: A) AMMONS/GABBERT TELCON JULY 11
B) IAEA VIENNA 6878 DTD AUGUST 21, 1973

AEC PASS AMMONS, DIP, NLT 1200 EDT

1. FOLLWOING INFO OBTAINED TODAY FROM IAEA INSPECTOR GEN ROMETSCH AND SVEIN THORSTENSEN (NORWAY), CHIEF FAR EAST SECTION, DIV. OF OPERATIONS:

A) PRINCIPAL OPERATING FACILITY BEING INSPECTED BY IAEA PURSUANT SAFEGUARDS AGREEMENTS WITH ROC IS CANADIAN-SUPPLIED NRX-TYPQ RESEARCH REACTOR AT CHUNG SHAN INSTITUTE. AT PRESENT, TWO INSPECTIONS PER YEAR BEING CARRIED OUT. SOME TIME DURING 1975, CALCULATED QUANTITY OF PLUTONIUM IN FUEL IN REACTOR IS EXPECTED REACH TEN EFFECTIVE KGS, AT WHICH TIME, IN ACCORDANCE AGENCY'S SAFEGUARDS SYSTEM (INFCIRC/66/REV.2), FREQUENCY OF INSPECTIONS WILL INCREASE TO THREE PER YEAR. LAST INSPECTION WAS MAY 3, 1974.

B) IN ADDITION TO INSPECTIONS THAT REACTOR, ROC HAS AGREED PERMIT REQUIRED SERVICING OF IAEA-INSTALLED SURVEILLANCE CAMERAS BY IAEA PERSONNEL (NOT RPT NOT NECESSARILY OFFICIALLY

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ACCEPTED BY ROC AS "INSPECTORS"). FILM MAGAZINE CAPACITY AND EXPOSURE RATE SUCH THAT REPLACEMENT REQUIRED AT INTERVALS

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OF SEVERAL MONTHS. LAST SUCH SERVICING (BY "NON-INSPECTOR",
WITH RESECT ROC) WAS APRIL 3, 1974.

C) CAMERAS IN REACTOR BUILDING VIEW REACTOR, BRIDGE,
STORAGE BLOCK, AREA ABOVE HATCH TO SPENT FUEL BAY AND SHIPPING
DOOR (AIR LOCK), CAMERAS ABOVE STORAGE POND VIEW LENGTH OF
BUILDING; ITEMS PASSING THROUGH ROOF HATCH MUST PASS DIRECTLY
IN FRONT OF CAMERAS. CAMERAS ARE MINOLTA MOVIE CAMERAS
OF TYPE SHOWN TO GEORGE MURPHY, JCAE STAFF DURING VISIT WEEK
JULY 1, INSTALLED IN SET OF THREE FOR REACTOR HALL AND TWO
FOR STORAGE POND. MAGAZINES CONTAIN 7500 FRAMES, EXPOSED AT RATE
OF 4 TO 6 PER HOUR, ALTERNATING BETWEEN 2 OR 3 CAMERAS
IN SET. CAMERAS IN GIVEN SET HAVEDIFFERING OPTICS TO PERMIT
DETECTION OF EFFORTS TO IMPOSE FAKE SCENE IN FRONT OF CAMERAS.

D)REACTOR HAS NOT RPT NOT OPERATED SUFFICIENTLY LONG TO
REQUIRE FUEL REPLACEMENT. AS DETERMINED BY CAMERAS AND INSPECTIONS,
IAEA IS CERTAIN NO FUEL IN FACT HAS BEEN REMOVED, NOR HAS ANY
UNAUTHORIZED ACTIVITY TAKEN PLACE.

E) DURING PERIOD MAY 2-4, 1974, IAEA ALSO CARRIED OUT
ROUTINE INSPECTIONS ARGONAUT REACTOR AND "MOBILE EDUCATIONAL
REACTOR" UNDER IAEA-US-ROC TRILATERAL.

F) HAVING RECEIVED ACCEPTANCE BY ROC OF PROVISIONAL FACILITY
ATTACHMENT PROPOSED BY IAEA FOR 600 MW US-SUPPLIED POWER
REACTOR, IAEA WILL SHORTLY ADVISE USG THAT PROVISIONAL FACILITY
ATTACHMENT (PRESUMABLY COVERING PRE-OPERATIONAL INSPECTIONS)
IS IN EFFECT.

2. ROMETSCH AND THORSTENSEN ALSO EXPRESSED CONSIDERABLE INTEREST
IN "CHEMISTRY LABORATORY" AT CHUNG SHAN INSTITUTE, WHICH IS NOT
SUBJECT TO EITHER ROC-IAEA AGREEMENT OR TO IAEA-US-ROC TRILATERAL
(EXCEPT WHEN AND IF NUCLEAR MATERIAL SUBJECT TO SAFEGUARDS
UNDER EITHER THOSE AGREEMENTS IS PRESENT). THEY UNDERSTAND
"LABORATORY" IS BEING OR HAS BEEN EQUIPPED WITH PILOT EQUIPMENT
FOR IRRADIATED FUEL REPROCESSING, BUT THEY KNOW NO OTHER DETAILS.
IN THAT CONNECTION, BOTH STATED CATEGORICALLY THAT NORWEGIAN
CONSULTANT WAS NOT NAMED BUT ROMETSHC SAID HE CAME FROM
GROUP WHICH HAD CONSTRUCTED FUEL REPROCESSING PILOT PLANT
IN NORWAY, OF "VERY INTERESTING DESIGN". ACCORDING TO ROMETSCH,
DR. T.J. BARENDREGT (NETHERLANDS), PRESENTLY WITN COMPRIMO
COMPANY, AMSTERDAM, HAD ASSISTED IN DESIGN OF NORWEGIAN
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PILOT PLANT. ALSO, ACCORDING TO ROMETSCH, BARENDREGT OR COMPRIMO
HAD BEEN APPROACHED EARLIER BY ROC TO PROVIDE CONSULTING SERVICES
ON FUEL REPROCESSING, BUT HAD DECLINED, AS HAD FRENCH FIRM
STE. GOBAIN (ON INSTRUCTIONS FROM GOLDSCHMIDT, CEA) AND FRG
FIRM. ROMETSCH ALSO SAID ST. GOVAIN HAD BEEN DIRECTED BY
GOLDSCHMIDT, WHO HAD FIRST CONFIRMED WITH ROMETSCH THAT NO EXISTING
SAFEGUARDS ARRANGEMENTS IN ROC WOULD BE APPLICABLE, TO DECLINE
ACCOMPANYING ROC REQUEST FOR EXPERIMENTAL QUANTITY OF PLUTONIUM.
PORTER

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SURVEILLANCE, NUCLEAR REACTORS, NUCLEAR RESEARCH, NUCLEAR SAFEGUARDS
Control Number: n/a
Copy: SINGLE
Draft Date: 12 JUL 1974
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: golinofr
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1974IAEAV06202
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: D740186-0881
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1974/newtext/t19740751/aaaabrvh.tel
Line Count: 114
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION SCI
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators:
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: A) AMMONS/GABBERT TELCON JULY 11
Review Action: RELEASED, APPROVED
Review Authority: golinofr
Review Comment: n/a
Review Content Flags:
Review Date: 20 MAR 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <20 MAR 2002 by izenbei0>; APPROVED <13 MAY 2002 by golinofr>
Review Markings:

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US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: IAEA SAFEGUARDS ACTIVITIES IN ROC
TAGS: PARM, TECH, TW, IAEA, (ROMETSCH), (THORSTENSEN, SVEIN)
To: STATE
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

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